

ANNUAL COMPLIANCE REPORT OF MISSOURI PUBLIC WATER SYSTEMS



City of Poplar Bluff



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

2021

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Summary

In Missouri, the Public Drinking Water Branch of the Missouri Department of Natural Resources is responsible for implementing the Safe Drinking Water Act to assist the state's 2,762 public water systems in providing safe drinking water. The department establishes regulatory limits and monitors for 91 different chemical and microbiological contaminants in public water supplies. This report provides information on how well Missouri's public water systems are meeting these standards.

This report is the 26th Annual Compliance Report produced by the department. It contains compliance statistics for Missouri's public water systems for calendar year 2021. The report shows that 98.9% of Missouri's population that is served by a community public water system received water that met all health-based standards during this period, compared to 2020, when the percentage was 98.4%.

The department prepares this report annually to comply with statutory obligations of the federal Safe Drinking Water Act and to provide the public with a better understanding of the importance of safe and abundant drinking water. The department will provide this report to the U.S. Environmental Protection Agency, who will use the information to prepare a national report on the performance of the nation's public drinking water systems.

What is a Public Water System?

A public water system provides drinking water through piping or other constructed conveyances for human consumption to at least 15 service connections, or serves an average of at least 25 people for at least 60 days each year.

There are three types of public water systems:

1. **Community systems** include towns, water districts, subdivisions, mobile home parks, and residential facilities, such as nursing homes or prisons.
2. **Nontransient noncommunity systems** regularly serve the same 25 people per day, at least six months per year. Examples include schools and factories.
3. **Transient noncommunity systems** serve at least 25 people per day, at least 60 days of the year. Examples include restaurants, resorts and campgrounds. These smaller systems are typically located in rural areas where it is not feasible to connect to a municipal water supply or a water district.

The department's requirements for construction, operation, and monitoring for systems vary based on their type, population, and water source. For systems that are not public water systems, such as homes served by private wells, local and county health agencies and the Missouri Department of Health and Senior Services facilitate water testing. Data for these private systems are not included in this report.

The Missouri Public Water Universe

In 2021, there were 2,762 active public water systems in Missouri. Of this total, 1,427 were community, 225 were nontransient noncommunity and 1,110 were transient noncommunity systems.

Missouri’s community water systems served more than 5 million residents. The Missouri River remains the largest source of drinking water for Missourians. The river’s abundant water supply and its proximity to the state’s major population centers make it a valuable resource to the communities that draw from it.

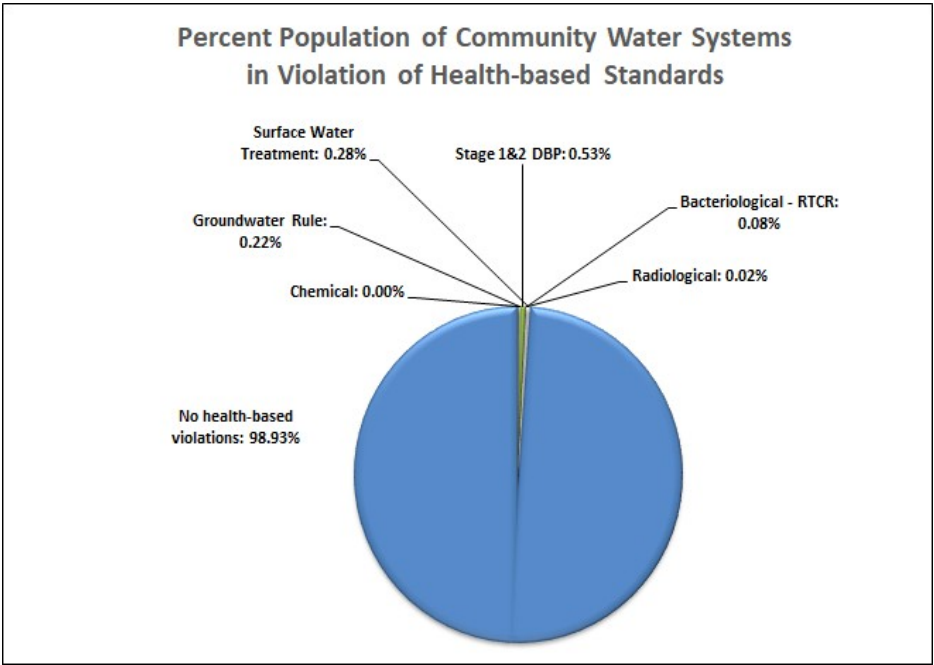
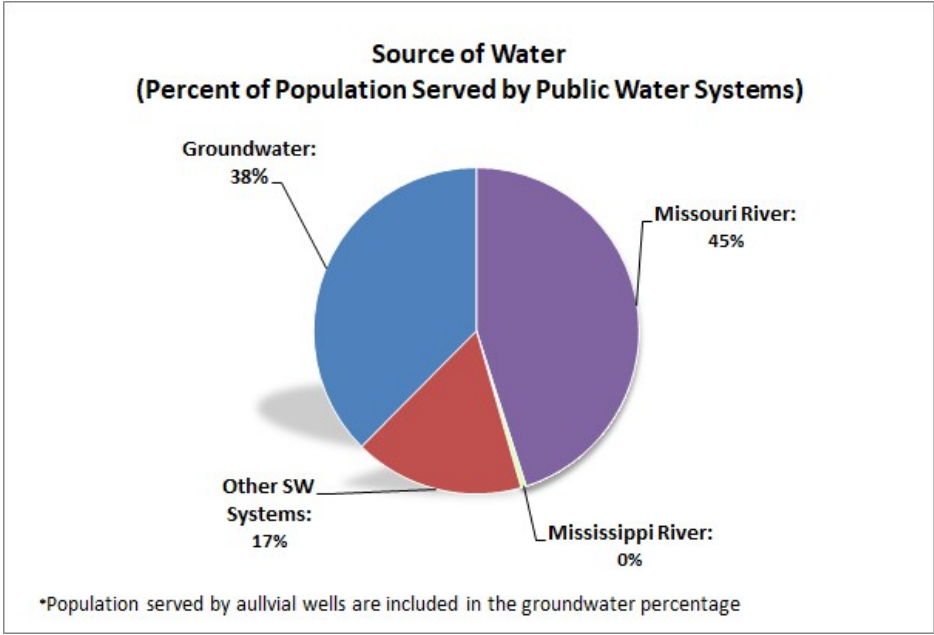
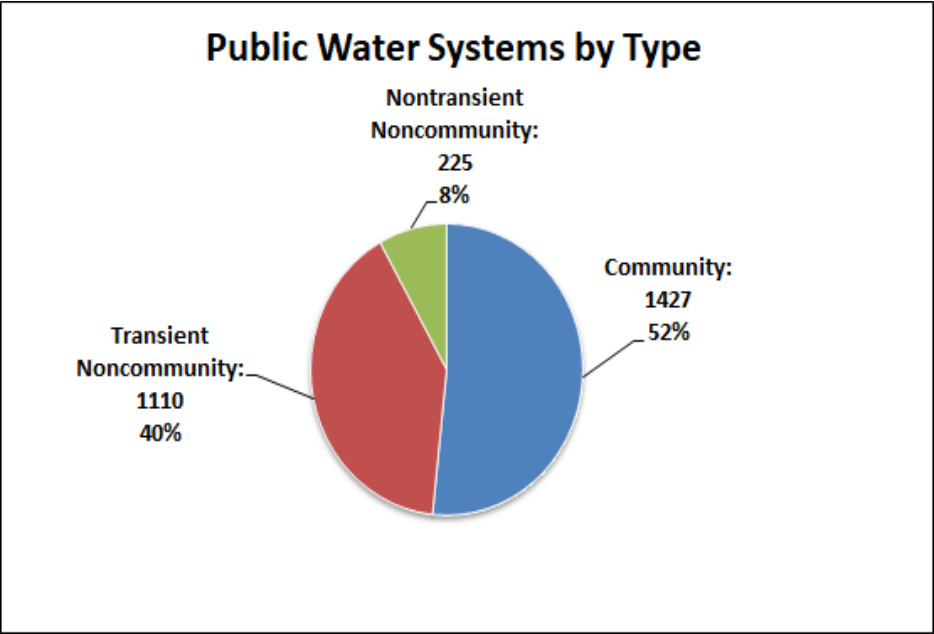
Groundwater is the next most common source of drinking water for community water supplies. In southern Missouri, high-quality groundwater is easy to obtain and typically requires very little treatment for use as drinking water. Public water systems utilizing groundwater as their source serve approximately 37.5% of Missourians who receive their water from a public water system.

All other public water system customers receive their water from community systems that draw from other types of surface water sources. Particularly prevalent in the northern part of Missouri, these sources include rivers and reservoirs.

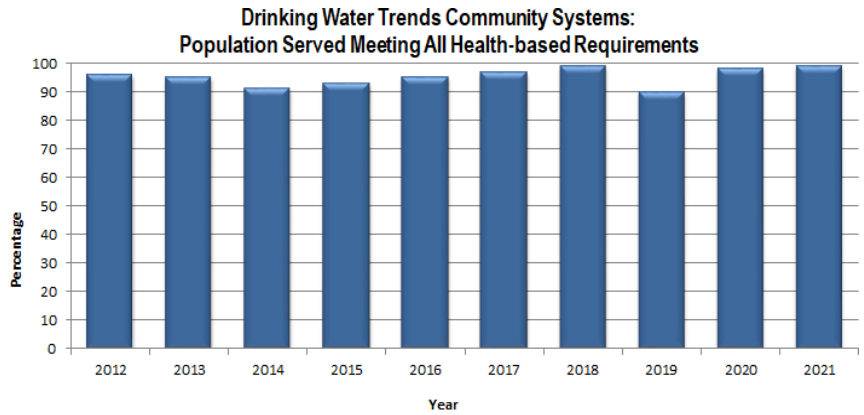
Analysis of Compliance

Missouri requires testing for 91 different regulated chemicals and microbiological contaminants on a regular schedule. The Summary of Violations Table in this report counts individual violations by contaminant type. These counts may include multiple violations for the same system, depending on the monitoring schedule for the particular contaminant.

Appendices A and B list specific systems by county that have had violations of different drinking water rules. These rules include the Revised Total Coliform Rule, Radionuclide Rule, Stage 2 Disinfectants and Disinfection Byproduct Rule and the Surface Water Treatment Rule.

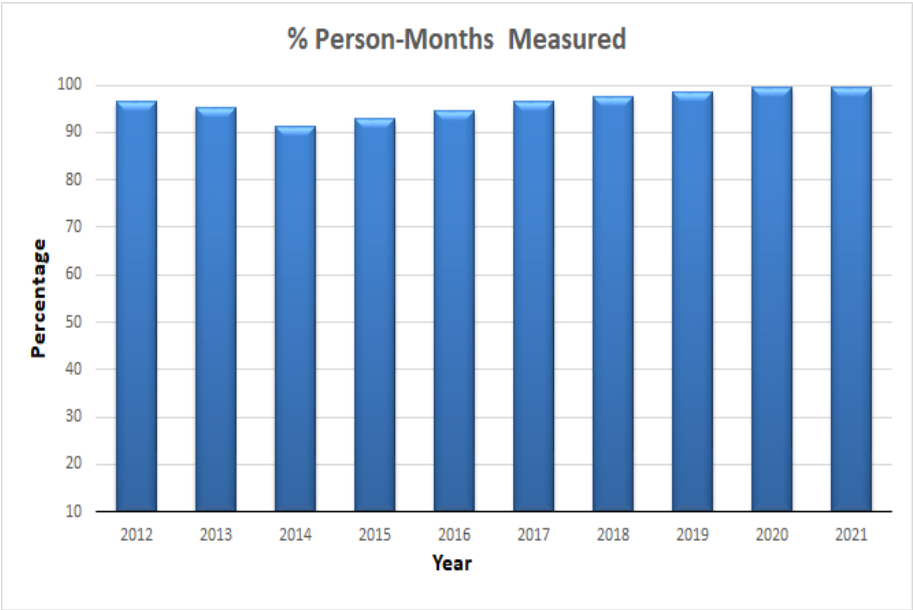


Maximum Contaminant Level (MCL) and treatment-technique violations represent the most significant impact on public health. In 2021, 98.9% of Missouri public water supply customers had water that met all MCL and treatment-technique requirements. The Drinking Water Trends Community Systems Chart shows the 10-year trend for this measure.

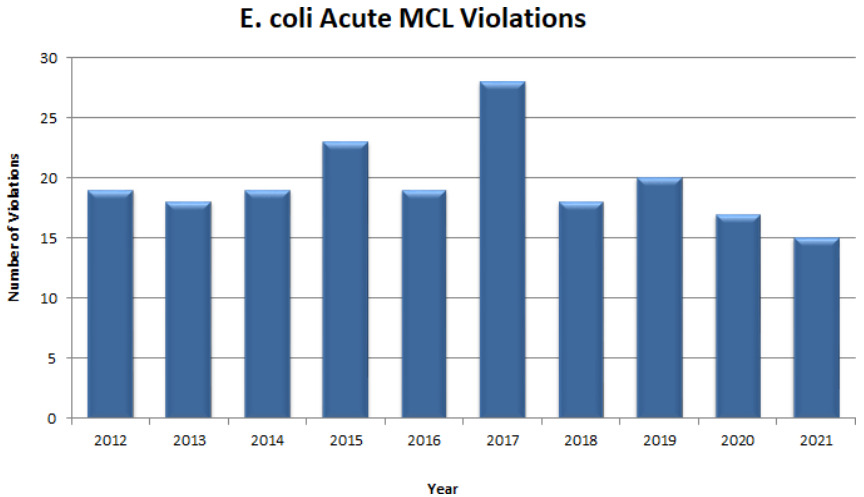


The lower compliance percentage for 2019 reflects violations issued to systems impacted by flooding.

Because the above measure counts all MCL and treatment-technique violations throughout the year with no consideration given to the duration of the violation, EPA and the states developed an additional compliance measure called “person-months.” This measure represents the population served by community water systems that meet health-based standards on a monthly basis. Missouri achieved 99.72% compliance with this measure in 2021.



EPA calculates many of the MCL and treatment-technique violations based on chronic (long-term, regular, and consistent) exposure. EPA’s MCL based on acute (short-term) exposure can include turbidity exceedances or E.coli detections. In 2021, the department issued 15 violations for acute contaminants to 14 public water systems, equal to 0.50% of all Missouri systems. All of these violations were associated with the detection of E.coli.



How to Find More Information on Your Water System

Community water systems must distribute Consumer Confidence Reports annually to water customers. These reports provide detailed information about sources and levels of contaminants in the drinking water, and must list all violations of state and federal requirements for the calendar year. In 2021, 90% of Missouri's community water systems distributed their Consumer Confidence Reports properly. You may obtain a copy of the Consumer Confidence Report for your public water system by contacting your service provider or the department's Consumer Confidence Report website at [dnr.mo.gov/water/how-water/we-drink/drinking-reports/consumer-confidence](https://dnr.mo.gov/water/how-water-we-drink/drinking-reports/consumer-confidence). The department also maintains the Drinking Water Watch website at dnr.mo.gov/water/how-water/water-monitoring-data/drinking-water, which provides additional information on all of Missouri's public drinking water systems, including information on inventories, sample results, compliance activities, and water quality.

For More Information

Information about Missouri's public water systems can be obtained by writing to the Missouri Department of Natural Resources, Water Protection Program, Public Drinking Water Branch, P.O. Box 176, Jefferson City, MO 65102-0176, or by calling 800-361-4827 or 573-751-0124.

Information is also available online at <https://dnr.mo.gov/water/how-water/water-we-drink>



Explanation of Terms in Violations Tables

The following descriptions apply to the violations table.

Filtered Systems: Water systems that have installed filtration treatment [10 CSR 60-4.050].

Ground Water Rule: A rule (10 CSR 60-4.025) that requires monitoring of groundwater sources for E. coli contamination. It relies on four strategies to address this risk: periodic sanitary surveys, triggered source water monitoring in the case of a positive sample, corrective action for a system found to have a significant deficiency or source water E. coli contamination, and compliance monitoring to ensure the treatment technology is reliable.

Inorganic Contaminants: Non-carbon-based compounds, such as metals, fluoride, and nitrates. These contaminants are naturally occurring in some water, but can also enter water through human activities [10 CSR 60-4.030].

Lead and Copper Rule: A rule (10 CSR 60, Chapter 15) to address lead and copper corrosion, which poses health risks when ingested at any level, and can enter drinking water from household pipes and plumbing fixtures. Violations are reported for: failure to monitor; failure to install optimal corrosion-control treatment or a source-water treatment system that would reduce lead and copper levels in water at the tap; failure to replace lead service lines on the schedule required by the regulation; and, failure to provide required public education about reducing or avoiding lead intake from drinking water.

Maximum Contaminant Level (MCL): The highest amount of a contaminant allowed in drinking water. MCLs ensure drinking water does not pose a health risk and are defined in milligrams per liter (parts per million) unless otherwise specified.

Monitoring: Sampling and analytical testing specified by the department, including testing methods, and frequency [10 CSR 60-4.010]. Failure to test and failure to report results timely are significant monitoring violations.

Organic Contaminants: Carbon-based compounds, such as industrial solvents and pesticides. These contaminants generally enter water through runoff from cropland or discharge from factories [10CSR 60- 4.040 and 4.100].

Radionuclides: Radioactive particles that occur naturally in water or result from human activity. Safe drinking water regulations set MCLs on five types of radionuclides: radium-226, radium-228, uranium, gross alpha, and beta particle/photon radioactivity [10 CSR 60-4.060].

Surface Water Treatment Rule: A series of rules, promulgated from 1989-2009, that establish criteria under which water systems supplied by surface water sources, or groundwater sources under the direct influence of surface water, must filter and disinfect their water (Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, Long Term1 Enhanced Surface Water Treatment Rule, Long Term2 Enhanced Surface Water Treatment Rule) [10 CSR60-4.050and60-4.052].

Treatment Techniques: Enforceable procedures or levels of technological performance that public water systems must follow to ensure control of contaminants for which no MCL is established. For example, EPA established treatment techniques for viruses, bacteria, turbidity, and failure to correct a significant deficiency.

Violation: A failure to meet any state or federal drinking water regulation.

Organic Contaminants: Jan. 1, 2021 - Dec. 31, 2021

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems Violations
Organic Contaminants							
1,1,1-Trichloroethane	0.2	0	0			3	1
1,1,2-Trichloroethane	0.005	0	0			3	1
1,1-Dichloroethylene	0.007	0	0			3	1
1,2,4-Trichlorobenzene	0.07	0	0			3	1
1,2-DBCP	0.0002	0	0			0	0
1,2-Dichloroethane	0.005	0	0			3	1
1,2-Dichloropropane	0.005	0	0			3	1
2,3,7,8-T CDD (Dioxin)	3x10-8	0	0			0	0
2,4,5-TP	0.05	0	0			0	0
2,4-D	0.07	0	0			0	0
Alachlor	0.002	0	0			0	0
Aldicarb	0.003	0	0			0	0
Aldicarb Sulfone	0.002	0	0			0	0
Aldicarb Sufoxide	0.004	0	0			0	0
Atrazine	0.003	0	0			1	1
Benzene	0.005	0	0			3	1
Benzo[a]pyrene	0.0002	0	0			0	0
BHC Gamma	0.0002	0	0			0	0
Carbofuran	0.04	0	0			0	0
Carbon tetrachloride	0.005	0	0			3	1
Chlorobenzene	0.1	0	0			3	1
Chlordane	0.002	0	0			0	0
cis-1,2-Dichloroethylene	0.07	0	0			3	1
Dalapon	0.2	0	0			0	0
Di(2-ethylhexyl)adipate	0.4	0	0			0	0
Di(2-ethylhexyl)phthalate	0.006	0	0			0	0
Dichloromethane	0.005	0	0			3	1
Dinoseb	0.007	0	0			0	0
Diquat	0.02	0	0			0	0
Endothall	0.1	0	0			0	0
Endrin	0.002	0	0			0	0
Ethylbenzene	0.7	0	0			3	1
Ethylene dibromide	0.00005	0	0			0	0
Glyphosate	0.7	0	0			0	0
Heptachlor	0.0004	0	0			0	0

¹Values are in milligrams per liter (mg/L), unless otherwise specified

*Shaded areas indicate a violation is not applicable in this category

Organic Contaminants: Jan. 1, 2021 - Dec. 31, 2021

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Heptachlor epoxide	0.0002	0	0			0	0
Hexachlorobenzene	0.05	0	0			0	0
Hexachlorobenzene	0.001	0	0			0	0
Hexachlorocyclopentadiene	0.05	0	0			0	0
Lasso	0.05	0	0			0	0
Lindane	0.0002	0	0			0	0
Methoxychlor	0.04	0	0			0	0
Monochlorobenzene	0.1	0	0			0	0
o-Dichlorobenzene	0.6	0	0			3	1
Oxamyl (Vydate)	0.2	0	0			0	0
Para-Dichlorobenzene	0.075	0	0			3	1
Pentachlorophenol	0.001	0	0			0	0
Picloram	0.5	0	0			0	0
Simazine	0.004	0	0			0	0
Styrene	0.1	0	0			3	1
Tetrachloroethylene	0.005	0	0			3	1
Toluene	1	0	0			3	1
Total PCB	0.0005	0	0			0	0
Toxaphene	0.003	0	0			0	0
Trans-1,2-Dichloroethylene	0.1	0	0			3	1
Trichloroethylene	0.005	0	0			3	1
Vinyl chloride	0.002	0	0			3	1
Xylenes (total)	10	0	0			3	1

Disinfection Byproducts Rule: Jan. 1, 2021 - Dec. 31, 2021

		MCL		Treatment Techniques		Significant Monitoring/Reporting	
	MCL	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Total trihalomethanes	0.80	16	9			32	31
Haloacetic acids	0.60	0	0			31	30
Disinfection byproducts		16	9	0	0	63	31
Total Organic Compounds				3	1		
Insufficient or Non-certified Operator				8	8		

Inorganic Contaminants: Jan. 1, 2021 - Dec. 31, 2021

		MCL		Treatment Technique		Significant Monitoring/ Reporting	
	MCL (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of System Violations
Inorganic Contaminants							
Antimony	0.006	0	0	0	0	1	1
Arsenic	0.010	0	0	0	0	1	1
Asbestos	7 million fibers/L	0	0	0	0	0	0
Barium	2	0	0	0	0	1	1
Beryllium	0.004	0	0	0	0	1	1
Cadmium	0.005	0	0	0	0	1	1
Chromium	0.1	0	0	0	0	1	1
Cyanide (as free cyanide)	0.2	0	0	0	0	0	0
Fluoride	4.0	0	0	0	0	1	1
Mercury	0.002	0	0	0	0	1	1
Nitrate	10 (as nitrogen)	0	0	0	0	0	0
Nitrite	1 (as nitrogen)	0	0	0	0	0	0
Selenium	0.05	0	0	0	0	1	1
Thalium	0.002	0	0	0	0	1	1
Total nitrate and nitrite	10 (as nitrogen)	0	0	0	0	37	35

Radiological Contaminants: Jan. 1, 2021 - Dec. 31, 2021

		MCL		Treatment Technique		Significant Monitoring /Reporting	
	MCL (pCi/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Radiological Contaminants							
Gross Alpha	15 pCi/L	2	1			4	2
Radium-226 and radium-228	5 pCi/L	8	4			4	2
Gross beta	4 mrem/yr	0	0			0	0
Subtotal		10	4			8	2

Microbiological Contaminants: Jan. 1, 2021 – Dec. 31, 2021

		MCL		Treatment Technique		Significant Monitoring /Reporting	
	MCL Presence/Absence	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Revised Total Coliform Rule							
Acute MCL Violations	Presence	15	14				
Level 1 Assessment Violations				8	8		
Level 2 Assessment Violations				0	0		
Treatment Technique, Other				7	7		
Major Routine						492	337
Minor Routine						45	44
Reporting/Notification						8	8
Subtotal		15	14	15	15	545	365

Some systems may have violations in multiple categories.

Surface Water Treatment Rule: Jan. 1, 2021 – Dec. 31, 2021

		MCL		Treatment Technique		Significant Monitoring /Reporting	
	MCL	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Surface Water Treatment							
Filtered Systems							
Monitoring, routine/repeat						0	0
Treatment Techniques				7	4		
Unfiltered Systems							
Monitoring, routine/repeat							
Failure to Filter							
Subtotal				7	4	0	0

Lead and Copper Rule: Jan. 1, 2021 – Dec. 31, 2021

		MCL		Treatment Technique		Significant Monitoring /Reporting	
	MCL	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Lead and Copper Rule							
Initial lead and copper tap monitoring and reporting						3	3
Follow-up or routine lead and copper tap monitoring and reporting						7	3
Treatment Installation				0	0		
Public education				0	0	1	1
Subtotal				0	0	11	11

Public Notification: Jan. 1, 2021 – Dec. 31, 2021

		MCL		Treatment Technique		Significant Monitoring /Reporting	
	MCL	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Public Notification						189	136
Consumer Confidence Reports ¹						146	146
Subtotal						335	272

¹ Violations for failure to produce and distribute the 2020 Consumer Confidence Report in 2021.

Groundwater Rule: Jan. 1, 2021 – Dec. 31, 2021

		MCL		Treatment Technique		Significant Monitoring /Reporting	
	MCL	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Groundwater Rule							
Failure to treat				3	3		
Failure to address contamination				0	0		
Failure to address deficiency				19	19		
Public notice						0	0
Sanitary Survey						9	9
Major routine and follow up monitoring						97	70
Subtotal				22	22	106	78

Appendix A: Health Based Compliance

I. Revised Total Coliform Rule - Acute MCL Violations

The following systems were under boil water orders due to acute MCL violations for E. coli bacteria for the listed months.

County	ID#	System Name	Month(s)	Issue	Rescind
BARRY	MO5282767	VFW POST 4207	March	3/17/2021	3/25/2021
BENTON	MO1041483	BRIGHT PARADISE BY THE LAKES	September	9/16/2021	10/8/2021
CEDAR	MO5010241	EL DORADO SPRINGS PWS	October	10/18/2021	11/3/2021
DOUGLAS	MO5241141	TWIN BRIDGES CANOE AND CAMPGROUND	January	1/30/2021	2/19/2021
JASPER	MO5241754	BALLARDS CAMPGROUND	October	10/28/2021	1/31/2022
LAWRENCE	MO5048294	LUCKY LADY MHP	April	5/12/2021	6/2/2021
MADISON	MO4243344	CASTOR RIVER RANCH CAMPGROUND	November	11/26/2021	
MCDONALD	MO5041094	ELK O VUE RIVER PARK MHP	June	7/6/2021	7/9/2021
MORGAN	MO3173322	CENTRAL MO COMMUNITY ACTION MORGAN CO	May	6/1/2021	6/10/2021
PHELPS	MO3190089	THE JAMES FOUNDATION	June	6/14/2021	6/17/2021
PHELPS	MO3190089	THE JAMES FOUNDATION	October	10/27/2021	11/5/2021
STONE	MO5190993	GREEN VALLEY RESORT	July	7/16/2021	7/30/2021
STONE	MO5191925	KINGS COVE RESORT	April	5/4/2021	5/14/2021
TANEY	MO5301550	BRIARWOOD & REDBUD SHORES WATER ASSOC	July	8/2/2021	8/9/2021

Note: If no "Rescind Date," the boil order was still in effect at time of printing.

Appendix A - Health Based Compliance

II. Revised Total Coliform Rule - Level 1 and Level 2 Assessment

Since the transition to the Revised Total Coliform Rule April 1, 2016, the following systems have exceeded the coliform treatment technique trigger - triggering an assessment on more than one occasion in 2021. These assessments are triggered for the following reasons: systems collecting forty (40) or more samples per month exceeding 5.0% total-coliform positive samples for the month, systems collecting fewer than forty (40) samples per month having two (2) or more coliform-positive samples for the month, failing to collect every required repeat sample after any coliform-positive sample, or incurring an E.coli MCL violation.

County	ID#	System Name	Assessment
BARRY	MO5261623	COUNTRY VILLAGE MHP	2
BENTON	MO1293111	BENT TREE HARBOR	2
BENTON	MO3036133	POM O SA HEIGHTS SUBD	2
BENTON	MO3190902	HEAD WATERS MOTEL	2
BENTON	MO3210326	HILLTOP BAR B Q	2
BENTON	MO3210904	LAKE HILLS MOTEL	2
BOLLINGER	MO4243202	WHIPPOORWILL LAKE FAMILY CAMPGROUND	2
CAMDEN	MO3024090	CAMDEN COUNTY PWSD 1	2
CAMDEN	MO3281045	ETHNOS360 INC	2
CAMDEN	MO5253022	MAPLE HILL SUBDIVISION	2
CAMDEN	MO5293132	JUST A LITTLE STORE	3
CEDAR	MO5172802	AGAPE BOARDING SCHOOL	2
CHRISTIAN	MO5036054	SUNSET HEIGHTS 2ND ADDITION	2
DALLAS	MO5282882	FRATERNAL ORDER OF THE BEARS 99	2
GREENE	MO5273285	HARMONY BAPTIST CHURCH	2
HICKORY	MO5242917	LOEHRS CAMPGROUND AND RESORT LLC	3
HICKORY	MO5251481	WINDMILL POINT	2
LINCOLN	MO6283208	COASTAL CARRIERS	3
MILLER	MO3010240	ELDON PWS	2
MILLER	MO3010441	LAKE OZARK PWS	3

MILLER	MO3302314	BEACH CLUB CONDO ASSN	2
MORGAN	MO3031358	MORGAN COUNTY PWSD # 2	3
MORGAN	MO3248267	CREEKSIDE RV PARK	2
MORGAN	MO5192693	AQUA VITAE ESTATES	2
NEWTON	MO5292861	GET N SPLIT	3
PETTIS	MO3172256	AUNT MARTHAS PRESCHOOL & DAY CARE	2
PETTIS	MO3190893	BUDGET HOST SUPER 7 MOTEL	2
PHELPS	MO3036151	GLADLO WATER & SEWER INC	2
PULASKI	MO3213303	28 SHOTS DIXON	2
PULASKI	MO4031631	RIDGE CREEK WATER COMPANY LLC	2
ST FRANCOIS	MO4036059	TERRE DU LAC	2
ST FRANCOIS	MO4061660	CLUBB VILLA SENIOR LIVING	8
ST FRANCOIS	MO4250576	FARMINGTON AMVETS POST 113	2
ST LOUIS	MO6283007	CASTLEWOOD TREATMENT CENTER	2
STONE	MO5010423	HURLEY PWS	2
STONE	MO5024590	STONE COUNTY PWSD 1	2
STONE	MO5030473	STARLIGHT VILLAGE	2
STONE	MO5031103	KINGDOM HEIGHTS	2
STONE	MO5191453	VILLAGE AT INDIAN POINT	2
TANEY	MO5048992	WALKER MHP	3
TANEY	MO5273121	LIFE CHRISTIAN CENTER	2

Appendix A: Health Based Compliance

III. Chemical MCL Violations

County	ID#	System Name	Chemical
BATES	MO1010001	ADRIAN PWS	TOTAL TRIHALOMETHANE (TTHM)
BATES	MO1010014	AMORET PWS	TOTAL TRIHALOMETHANE (TTHM)
BATES	MO1024034	BATES COUNTY PWSD 5	TOTAL TRIHALOMETHANE (TTHM)
CASS	MO1010024	ARCHIE PWS	TOTAL TRIHALOMETHANE (TTHM)
CASS	MO1010301	MO AMERICAN GARDEN CITY	CHLORITE
CLAY	MO1010546	MOSBY PWS	TOTAL TRIHALOMETHANE (TTHM)
HARRISON	MO1010306	GILMAN CITY PWS	TOTAL TRIHALOMETHANE (TTHM)
HARRISON	MO1010567	NEW HAMPTON PWS	TOTAL TRIHALOMETHANE (TTHM)
MONROE	MO2010538	MONROE CITY PWS	TOTAL TRIHALOMETHANE (TTHM)
PIKE	MO2010479	LOUISIANA PWS	TOTAL TRIHALOMETHANE (TTHM)

Appendix A: Health Based Compliance

IV. Radiological MCL Violations

County	ID#	System Name	Chemical
LINCOLN	MO6031193	TARA VALLEY HOMEOWNERS ASSN	COMBINED RADIUM (-226 & -228)
RIPLEY	MO4024522	RIPLEY COUNTY PWSD 1 WEST	GROSS ALPHA, EXCL. RADON & U
RIPLEY	MO4024522	RIPLEY COUNTY PWSD 1 WEST	COMBINED RADIUM (-226 & -228)
ST CHARLES	MO6031488	STONE RIDGE MEADOWS	COMBINED RADIUM (-226 & -228)
ST FRANCOIS	MO4061660	CLUBB VILLA SENIOR LIVING	COMBINED RADIUM (-226 & -228)

Appendix A: Health Based Compliance

V. Surface Water Violations

The following systems violated the Surface Water Rule, Treatment Technique for Turbidity or other surface water requirements in the months or annual period indicated.

County	ID#	System Name	Period	Violation
CASS	MO1010024	ARCHIE PWS	June, July	Combined Filter Effluent Turbidity
PUTNAM	MO2010804	UNIONVILLE PWS	July	Combined Filter Effluent Turbidity

APPENDIX B

Chronic Major Monitoring Violators

The following systems had three or more major monitoring violations of the Revised Total Coliform Rule in 2021.

County	PWS ID #	System Name	Months
BENTON	MO3190264	HIDDEN LAKE RESORT	May, July, November
BENTON	MO1292877	PUMP N MUNCH	January, April, June
BENTON	MO3190266	RIVERS END MOTEL	March, May, July, October
BUTLER	MO4191461	MILLERS MOTOR LODGE	March, June, October
BUTLER	MO4010993	NEELYVILLE PWS	March, April, August, October, November
CAMDEN	MO3190958	BAYMONT INN & SUITES	June, August, September
CAMDEN	MO5242623	LITTLE NIANGUA CAMPGROUND	June, July, September
CAMDEN	MO3292426	Z7 TRADING POST	May, June, October
CEDAR	MO5238288	AIRPORT VILLAGE MHP	January, February, April – December
CEDAR	MO5190095	ORLEANS TRAIL RESORT	April – September, November, December
CEDAR	MO5212752	ORLEANS TRAIL RESTAURANT	April – September
CRAWFORD	MO3202538	CUBA LAKES GOLF AND COUNTRY CLUB	February, June, October, November
CRAWFORD	MO6210144	MERAMEC VALLEY CAMP RESORT	June, October, December
GASCONADE	MO6293060	OLD DUTCH MILL	January, February, May
JASPER	MO5292802	KUM & GO 29	May, September, October
MADISON	MO4173309	LITTLE LEARNERS ACADEMY	March, June, October
MCDONALD	MO5041094	ELK O VUE RIVER PARK MHP	January, May, September
MCDONALD	MO5211235	RUCKERS MUSIC & MAYHEM	May, July, October
OZARK	MO5242740	SUNBURST RANCH	May, July, August
PEMISCOT	MO4010758	STEELE PWS	April, July, August
RANDOLPH	MO2010362	HIGBEE PWS	January, July, October
REYNOLDS	MO4218522	LENNYS	February, April, August, November
ST CHARLES	MO6233251	LAKE CENTER MARINA	April - October
ST CHARLES	MO6232941	NORTH SHORE MARINA	April, May, September
ST CHARLES	MO6213205	WILDSCHUETZ BROTHERS FARM	February, April, May, July, September, October
ST LOUIS	MO6200549	CRESCENT FARMS GOLF CLUB	April, May, September
STONE	MO5030473	STARLIGHT VILLAGE	April, May, August, September, December
STONE	MO5036352	TREEHOUSE CONDOMINIUMS	January, February, May, June, August, November, December
STONE	MO5036205	VILLAGE OF MC CORD BEND	June, October, December
STONE	MO5258122	WHITE OAK STATION # 6	July, October, December
TANEY	MO5031481	OAK BROOK ESTATES	April, May, September, November, December



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